

FIG. 1

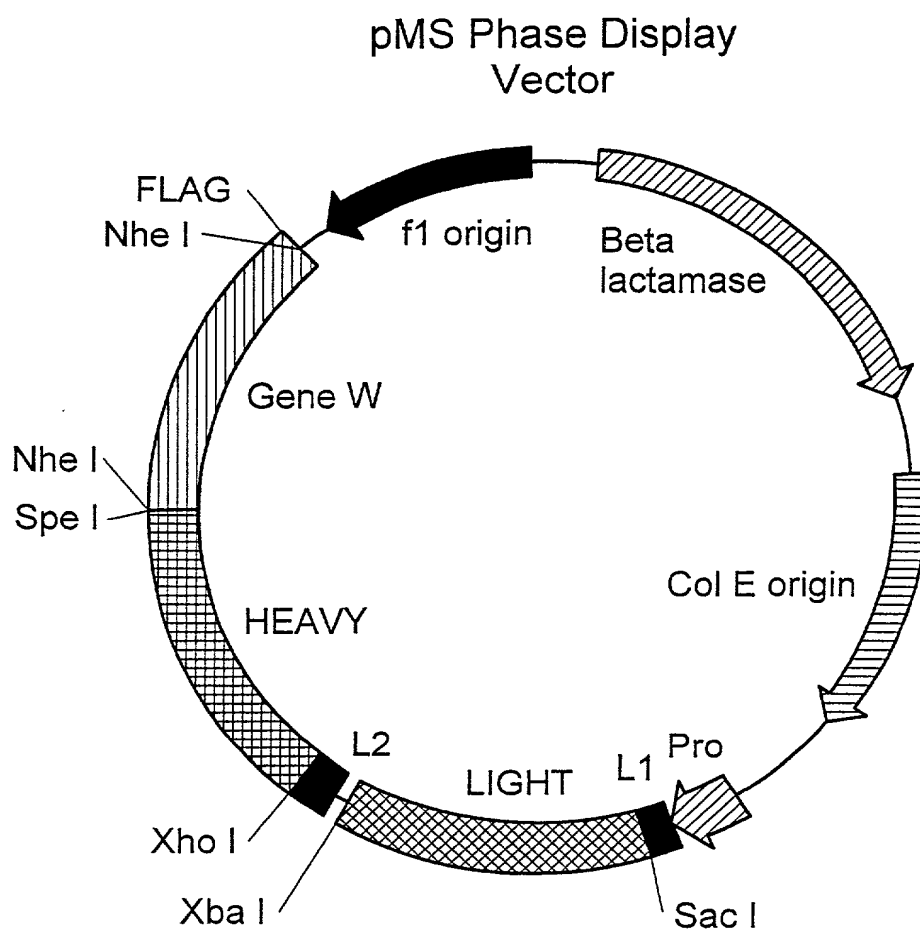
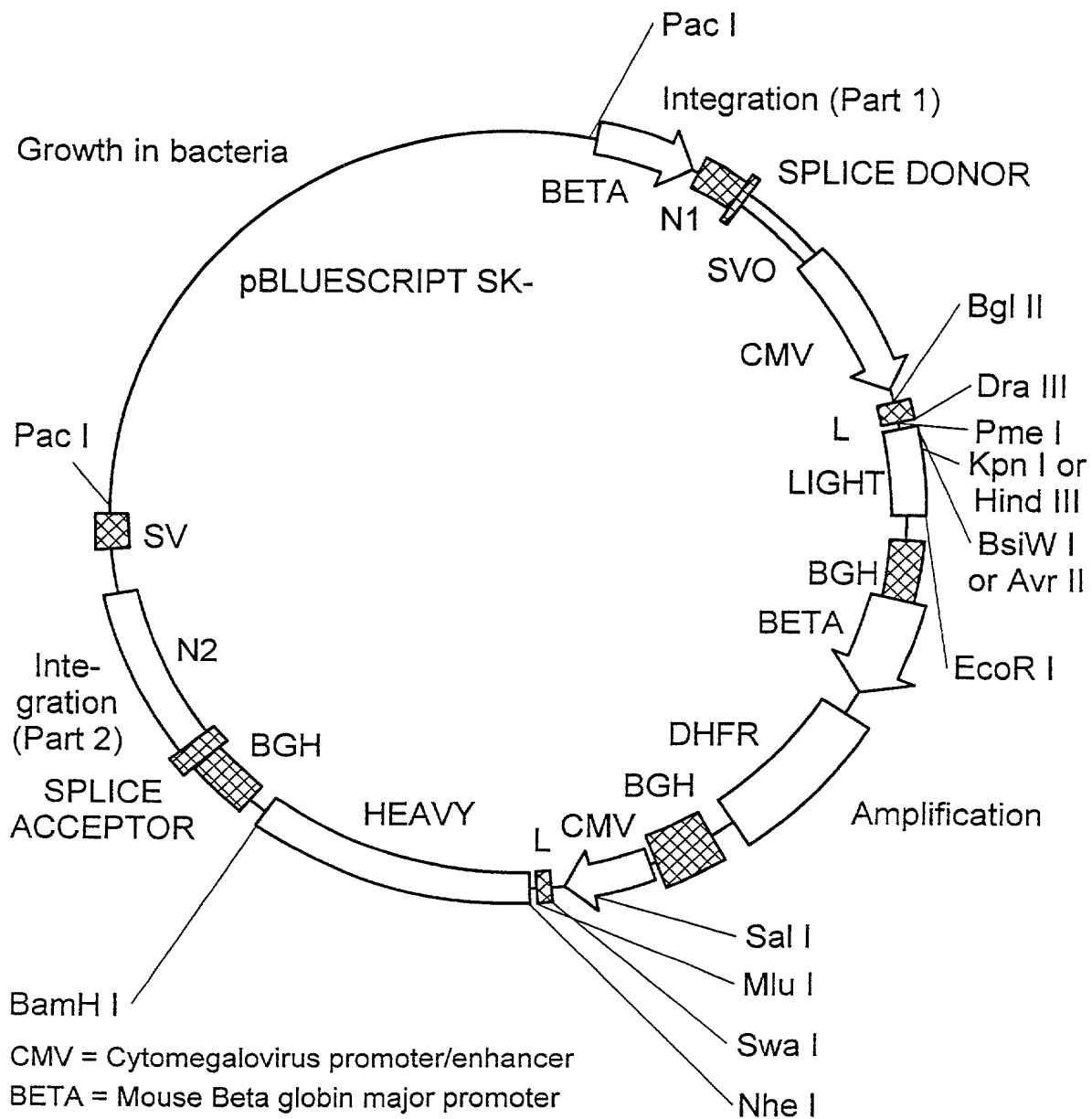


FIG. 2

2/25

NEOSPLA



CMV = Cytomegalovirus promoter/enhancer

BETA = Mouse Beta globin major promoter

SVO = SV40 origin

BGH = Bovine growth hormone polyadenylation

SV = SV40 polyadenylation

N1 = Neomycin phosphotransferase exon 1

N2 = Neomycin phosphotransferase exon 2

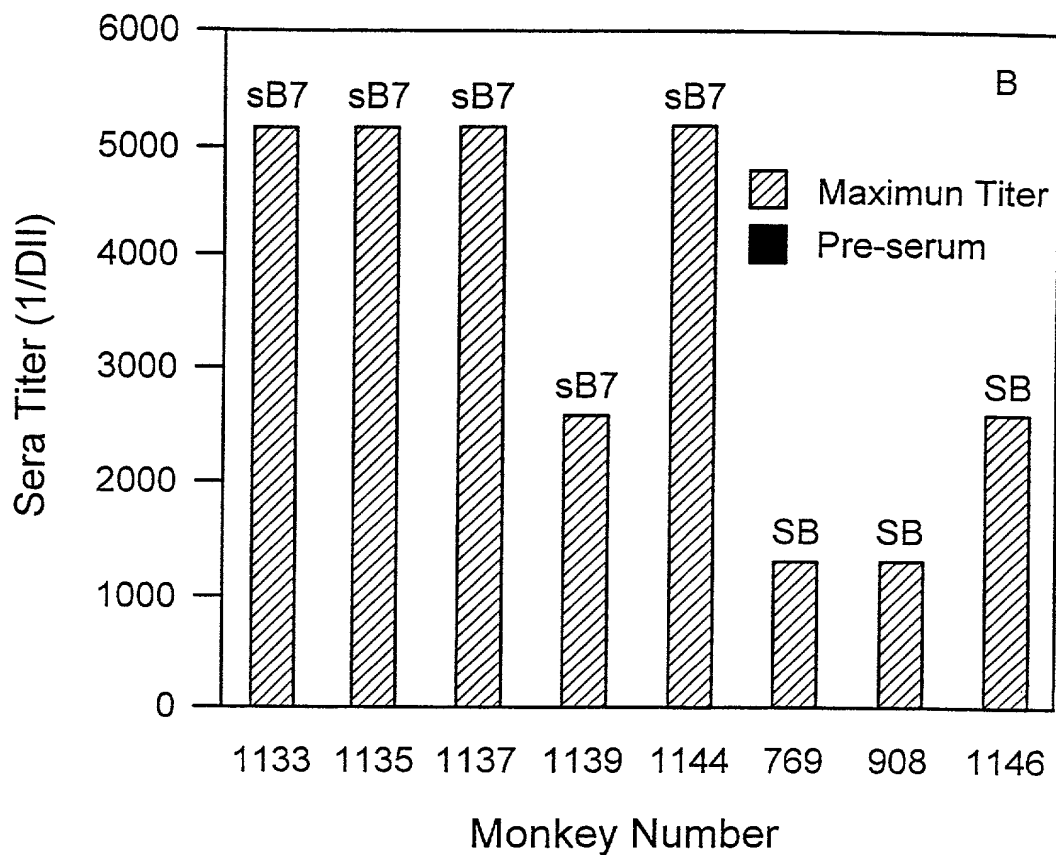
LIGHT = Human immunoglobulin kappa or lambda constant region

DHFR = Dihydrofolate Reductase

HEAVY = Human immunoglobulin gamma 1 or gamma 4 PE constant region

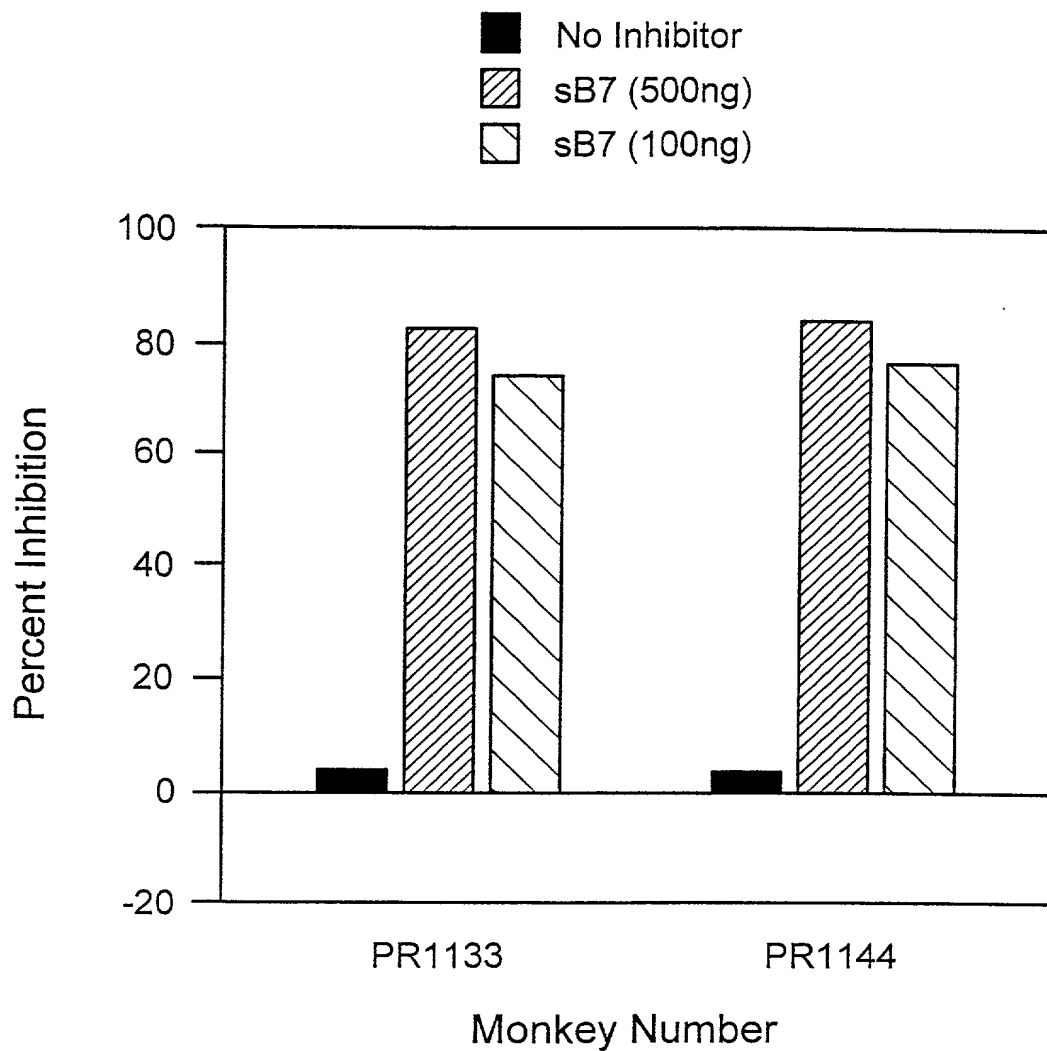
L = Leader

FIG. 3



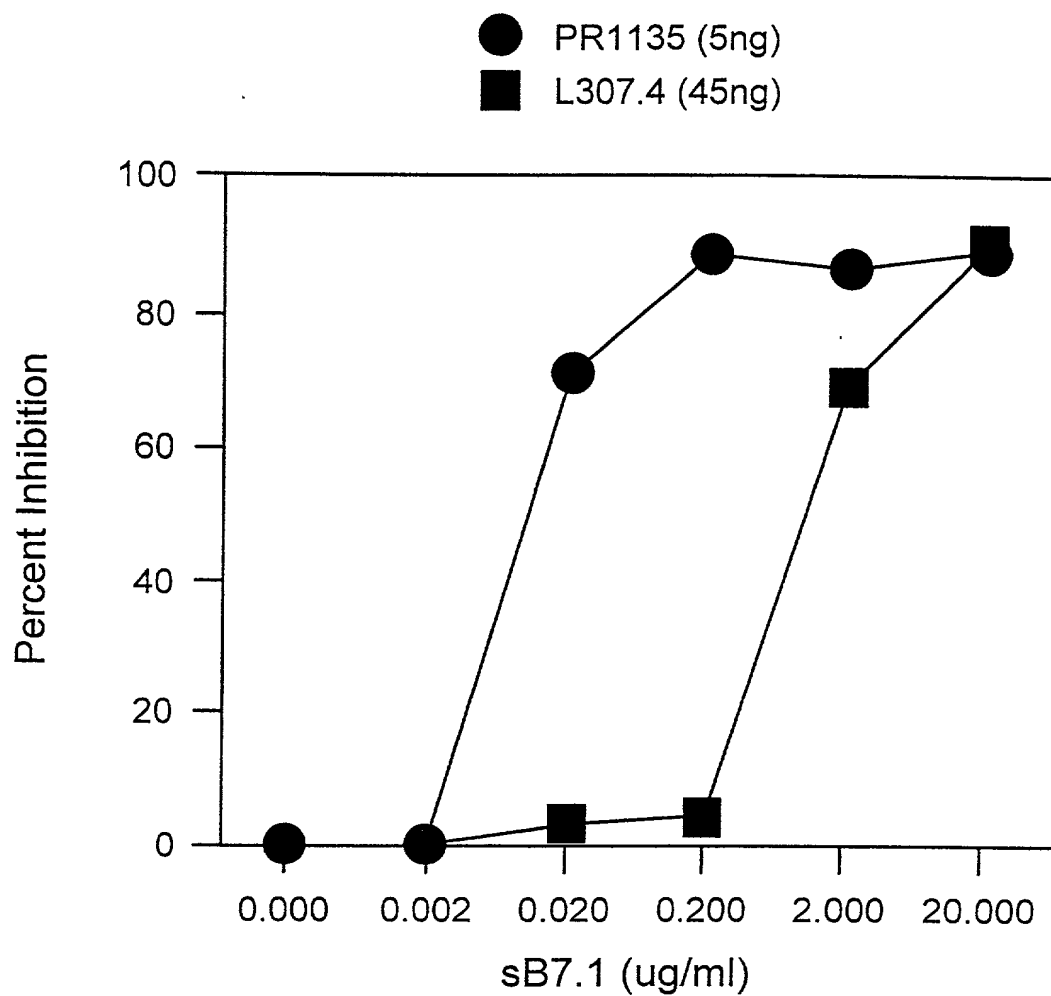
Monkey Serum Anti-B7.1 Titers Directed Against Cell Surface B7.1 on Transfected CHO Cells. Monkeys 1133-1139 were immunized with sB7.1. Monkeys 769-1146 were immunized with 50 million human B7 positive SB cells.

FIG. 4



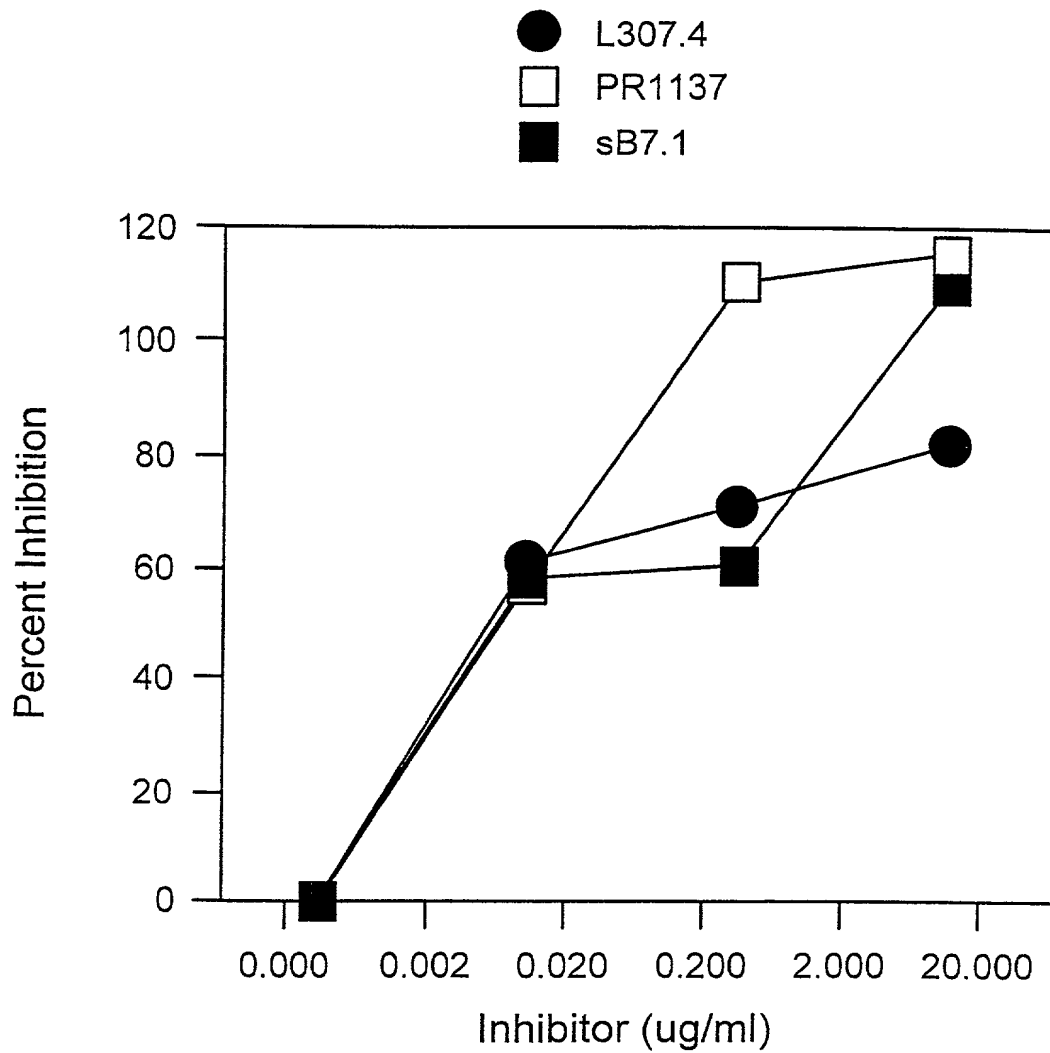
Inhibition of Radiolabeled sB7.1 Binding by sB7.1 Affinity-purified Monkey Antibodies in Presence of Unlabeled sB7 and MAb L307.4 Murine Anti-B7.1.

FIG. 5



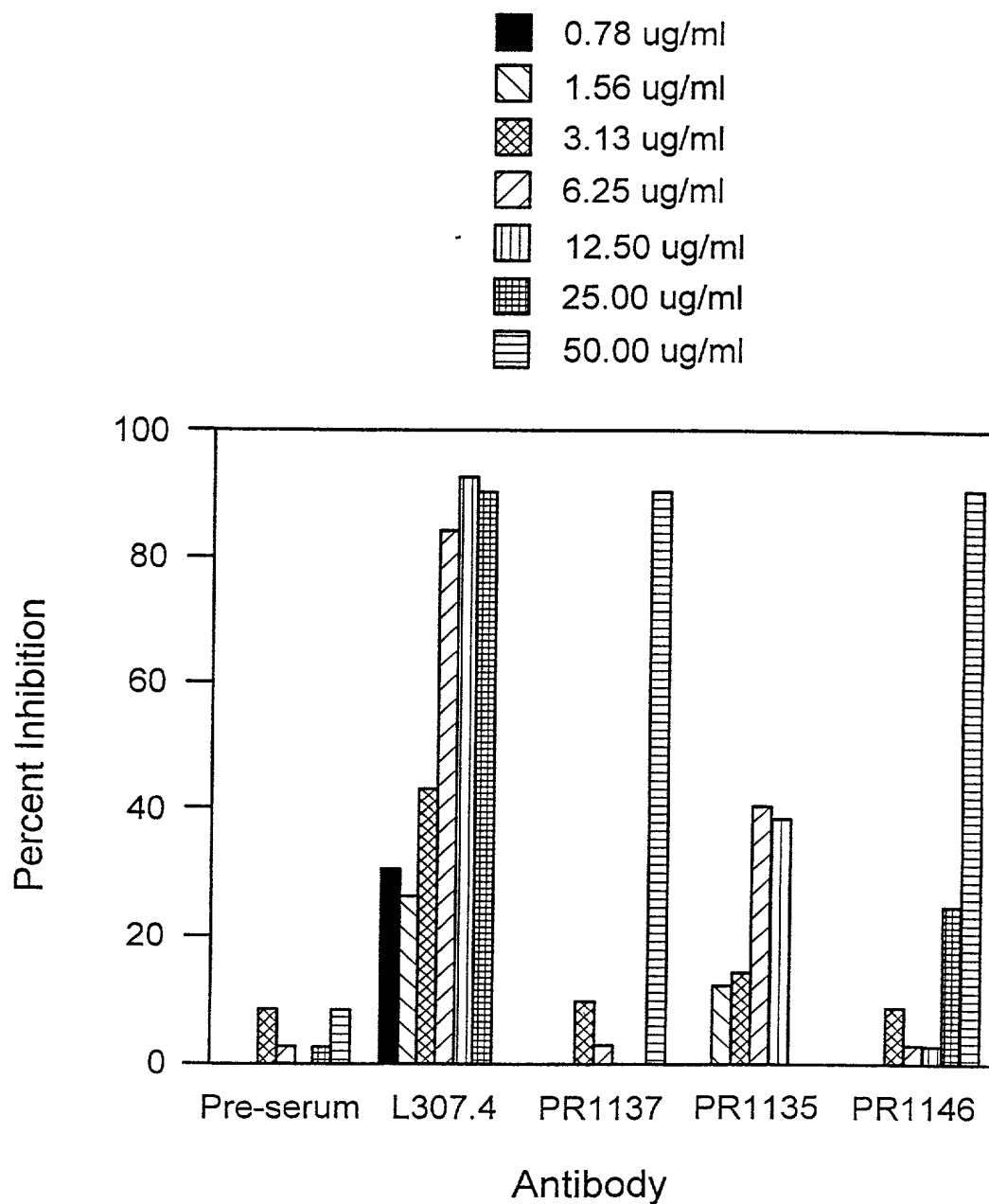
Inhibition of Binding of Radiolabeled Monkey 1135 and L307.4 Anti-B7.1 Antibodies to B7 Positive Human SB Cells by Competition With Affinity-Purified sB7.1.

FIG. 6



Inhibition of Radiolabeled B7-Ig Binding to Activated Human Peripheral Blood T Cells by Competing With Unlabeled sB7.1 Murine Anti-B7.1 (L307.4) and Monkey 1127 Affinity-purified Serum Antibodies.

FIG. 7



Inhibition of IL-2 Production in Mixed Lymphocyte Cultures by Anti-B7.1 Affinity-purified Monkey Serum Antibodies. Assays at some concentrations for certain monkeys were not done, due to limiting amounts of purified antibody.

LENGTH OF 7C10 LIGHT/PRIMATIZED: 705 bp; LISTED FROM: 1 TO: 705;
 TRANSLATED FROM: 1 TO: 703 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:11 AM

FRAME 1 M R V P A Q L L G L L L L
 ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC
 9 18 27 36

W L P G A R C A Y E L T Q P P
 TGG CTC CCA GGT GCA CGA TGT GCC TAT GAA CTG ACT CAG CCA CCC
 45 54 63 72 81

S V S V S P G Q T A R I T C G
 TCG GTG TCA GTG TCC CCA GGA CAG ACG GCC AGG ATC ACC TGT GGG
 90 99 108 117 126

G D N S R N E Y V H W Y Q Q K
 GGA GAC AAC AGT AGA AAT GAA TAT GTC CAC TGG TAC CAG CAG AAG
 135 144 153 162 171

P A R A P I L V I Y D D S D R
 CCA GCG CGG GCC CCT ATA CTG GTC ATC TAT GAT GAT AGT GAC CGG
 180 189 198 207 216

P S G I P E R F S G S K S G N
 CCC TCA GGG ATC CCT GAG CGA TTC TCT GGCTCC AAA TCA GGGAAC
 225 234 243 252 261

T A T L T I N G V E A G D E A
 ACC GCC ACC CTG ACC ATC AAC GGG GTC GAG GCC GGG GAT GAG GCT
 270 279 288 297 306

D Y Y C Q V W D R A S D H P V
 GAC TAT TAC TGT CAG GTG TGG GAC AGG GCT AGT GAT CAT CCG GTC
 315 324 333 342 351

F G G G T R V T V L G Q P K A
 TTC GGAGGAGGGACC CGGGTG ACC GTC CTA GGT CAG CCC AAG GCT
 360 369 378 387 396

A P S V T L F P P S S E E L Q
 GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG GAG CTT CAA
 405 414 423 432 441

A N K A T L V C L I S D F Y P
 GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC TAC CCG
 450 459 468 477 486

FIG. 8A - 1

LENGTH OF 7C10 HEAVY/PRIMATIZED: 1431 bp; LISTED FROM: 1 TO: 1431
 TRANSLATED FROM: 1 TO: 1429 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:11 AM

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FRAME 1 M   K   H   L   W   F   F   L   L   L   V   A   A
          ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT
                9                18                27                36

P   R   W   V   L   S   Q   V   K   L   Q   Q   W   G   E
CCC AGA TGG GTC CTG TCC CAG GTG AAG CTG CAG CAG TGG GGC GAA
      45                54                63                72                81

G   L   L   Q   P   S   E   T   L   S   R   T   C   V   V
GGA CTT CTG CAG CCT TCG GAG ACC CTG TCC CGC ACC TGC GTT GTC
      90                99                108                117                126

S   G   G   S   I   S   G   Y   Y   Y   W   T   W   I   R
TCT GGT GGCTCC ATC AGC GGT TAC TAC TAC TGG ACC TGG ATC CGC
      135                144                153                162                171

Q   T   P   G   R   G   L   E   W   I   G   H   I   Y   G
CAG ACC CCA GGGAGG GGA CTG GAG TGG ATT GGCCAT ATT TAT GGT
      180                189                198                207                216

N   G   A   T   T   N   Y   N   P   S   L   K   S   R   V
AAT GGT GCGACC ACC AAC TAC AAT CCC TCC CTC AAG AGT CGA GTC
      225                234                243                252                261

T   I   S   K   D   T   S   K   N   Q   F   F   L   N   L
ACC ATT TCA AAA GAC ACG TCC AAG AAC CAG TTC TTC CTG AAC TTG
      270                279                288                297                306

N   S   V   T   D   A   D   T   A   V   Y   Y   C   A   R
AAT TCT GTG ACC GAC GCGGAC ACG GCC GTC TAT TAC TGT GCGAGA
      315                324                333                342                351

G   P   R   P   D   C   T   T   I   C   Y   G   G   W   V
GGCCCT CGC CCT GAT TGC ACA ACC ATT TGT TAT GGC GGCTGG GTC
      360                369                378                387                396

D   V   W   G   P   G   D   L   V   T   V   S   S   A   S
GAT GTC TGG GGCCCG GGA GAC CTG GTC ACC GTC TCC TCA GCT AGC
      405                414                423                432                441

T   K   G   P   S   V   F   P   L   A   P   S   S   K   S
ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC
      450                459                468                477                486
  
```

FIG. 8B - 1

T S G G T A A L G C L V K D Y
 ACC TCT GGGGGCACA GCGGCC CTG GGCTGC CTG GTC AAG GAC TAC
 495 504 513 522 531

F P E P V T V S W N S G A L T
 TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGC GCC CTG ACC
 540 549 558 567 576

S G V H T F P A V L Q S S G L
 AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA GGA CTC
 585 594 603 612 621

Y S L S S V V T V P S S S L G
 TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC
 630 639 648 657 666

T Q T Y I C N V N H K P S N T
 ACC CAG ACC TAC ATC TGC AAC GTG AAT CAC AAG CCC AGC AAC ACC
 675 684 693 702 711

K V D K K A E P K S C D K T H
 AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA ACT CAC
 720 729 738 747 756

T C P P C P A P E L L G G P S
 ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGA CCG TCA
 765 774 783 792 801

V F L F P P K P K D T L M I S
 GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC
 810 819 828 837 846

R T P E V T C V V V D V S H E
 CGG ACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC CAC GAA
 855 864 873 882 891

D P E V K F N W Y V D G V E V
 GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG
 900 909 918 927 936

H N A K T K P R E E Q Y N S T
 CAT AAT GCC AAG ACA AAG CCG CGG GAG GAG CAG TAC AAC AGC ACG
 945 954 963 972 981

Y R V V S V L T V L H Q D W L
 TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC TGG CTG
 990 999 1008 1017 1026

FIG. 8B - 2

N G K E Y K C K V S N K A L P
 AAT GGCAAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GCC CTC CCA
 1035 1044 1053 1062 1071

A P I E K T I S K A K G Q P R
 GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GGGCAG CCC CGA
 1080 1089 1098 1107 1116

E P Q V Y T L P P S R D E L T
 GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGG GAT GAG CTG ACC
 1125 1134 1143 1152 1161

K N Q V S L T C L V K G F Y P
 AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC TAT CCC
 1170 1179 1188 1197 1206

S D I A V E W E S N G Q P E N
 AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGGCAG CCG GAGA AC
 1215 1224 1233 1242 1251

N Y K T T P P V L D S D G S F
 AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC GGCTCC TTC
 1260 1269 1278 1287 1296

F L Y S K L T V D K S R W Q Q
 TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG
 1305 1314 1323 1332 1341

G N V F S C S V M H E A L H N
 GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG CAC AAC
 1350 1359 1368 1377 1386

H Y T Q K S L S L S P G K
 CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA TGA
 1395 1404 1413 1422 1431

FIG. 8B - 3

LENGTH OF 7B6 LIGHT/PRIMATIZED: 720 bp; LISTED FROM: 1 TO: 720;
 TRANSLATED FROM: 1 TO: 718 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:10 AM

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FRAME 1 M   S   L   P   A   Q   L   L   G   L   L   L   L
          ATG AGC CTC CCT GCT CAG CTC CTC GGGCTG CTA TTG CTC
                   9           18           27           36

C   V   P   G   S   S   G   E   V   V   M   T   Q   S   P
TGC GTC CCC GGGTCC AGT GGGGAA GTT GTGATG ACT CAGTCT CCA
   45           54           63           72           81

L   S   L   P   I   T   P   G   E   P   A   S   I   S   C
CTG TCC CTT CCCATC ACA CCT GGA GAG CCGGCC TCC ATC TCC TGT
   90           99           108          117          126

R   S   S   Q   S   L   K   H   S   N   G   D   T   F   L
AGG TCT AGT CAA AGC CTT AAA CAC AGT AAT GGAGAC ACC TTC CTG
  135          144          153          162          171

S   W   Y   Q   Q   K   P   G   Q   P   P   R   L   L   I
AGT TGG TAT CAG CAG AAG CCA GGCCAA CCT CCA AGG CTC CTG ATT
  180          189          198          207          216

Y   K   V   S   N   R   D   S   G   V   P   D   R   F   S
TAT AAG GTT TCT AAC CGGGAC TCT GGGGTC CCA GAC AGA TTC AGC
  225          234          243          252          261

G   S   G   A   G   T   D   F   T   L   K   I   S   A   V
GGCAGT GGGGCA GGGACA GAT TTC ACA CTG AAA ATC AGC GCA GTG
  270          279          288          297          306

E   A   E   D   V   G   V   Y   F   C   G   Q   G   T   R
GAG GCT GAA GAT GTT GGGGTT TAT TTC TGC GGGCAA GGT ACA AGG
  315          324          333          342          351

T   P   P   T   F   G   G   G   T   K   V   E   I   K   R
ACT CCT CCC ACT TTC GGC GGA GGGACC AAG GTG GAA ATC AAA CGT
  360          369          378          387          396

T   V   A   A   P   S   V   F   I   F   P   P   S   D   E
ACG GTG GCT GCA CCA TCT GTC TTC ATC TTC CCG CCA TCT GAT GAG
  405          414          423          432          441

Q   L   K   S   G   T   A   S   V   V   C   L   L   N   N
CAG TTG AAA TCT GGA ACT GCC TCT GTT GTG TGC CTG CTG AAT AAC
  450          459          468          477          486
  
```

FIG. 9A - 1

F	Y	P	R	E	A	K	V	Q	W	K	V	D	N	A
TTC	TAT	CCC	AGA	GAG	GCC	AAA	GTA	CAG	TGG	AAG	GTG	GAT	AAC	GCC
495				504			513			522			531	
L	Q	S	G	N	S	Q	E	S	V	T	E	Q	D	S
CTC	CAA	TCG	GGT	AAC	TCC	CAG	GAG	AGT	GTC	ACA	GAG	CAG	GAC	AGC
540				549			558			567			576	
K	D	S	T	Y	S	L	S	S	T	L	T	L	S	K
AAG	GAC	AGC	ACC	TAC	AGC	CTC	AGC	AGC	ACC	CTG	ACG	CTG	AGC	AAA
585				594			603			612			621	
A	D	Y	E	K	H	K	V	Y	A	C	E	V	T	H
GCA	GAC	TAC	GAG	AAA	CAC	AAA	GTC	TAC	GCC	TGC	GAA	GTC	ACC	CAT
630				639			648			657			666	
Q	G	L	S	S	P	V	T	K	S	F	N	R	G	E
CAG	GGC	CTG	AGC	TCG	CCC	GTC	ACA	AAG	AGC	TTC	AAC	AGG	GGA	GAG
675				684			693			702			711	
C	.													
TGT	TGA													
720														

FIG. 9A - 2

LENGTH OF 7B6 HEAVY/PRIMATIZED: 1437 bp; LISTED FROM: 1 TO: 1437
 TRANSLATED FROM: 1 TO: 1435 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:09 AM

FRAME 1 M G W S L I L L F L V A V
 ATG GGT TGG AGC CTC ATC TTG CTC TTC CTT GTC GCT GTT
 9 18 27 36

A T R V Q C E V Q L V E S G G
 GCT ACG CGT GTC CAG TGT GAG GTG CAA CTG GTG GAG TCT GGGGGA
 45 54 63 72 81

G L V Q P G G S L R V S C A V
 GGCTTG GTC CAG CCT GGC GGGTCC CTG AGA GTC TCC TGT GCA GTC
 90 99 108 117 126

S G F T F S D H Y M Y W F R Q
 TCT GGATTG ACC TTC AGT GAC CAC TAC ATG TAT TGG TTC CGCCAG
 135 144 153 162 171

A P G K G P E W V G F I R N K
 GCT CCA GGGAAG GGGCCG GAA TGG GTA GGT TTC ATT AGA AAC AAA
 180 189 198 207 216

P N G G T T E Y A A S V K D R
 CCGAAC GGT GGGACA ACA GAA TAC GCC GCGTCT GTG AAA GAC AGA
 225 234 243 252 261

F T I S R D D S K S I A Y L Q
 TTC ACC ATC TCC AGA GAT GAT TCC AAA AGC ATC GCC TAT CTG CAA
 270 279 288 297 306

M S S L K I E D T A V Y Y C T
 ATG AGC AGC CTG AAA ATC GAG GAC ACG GCC GTC TAT TAC TGT ACT
 315 324 333 342 351

T S Y I S H C R G G V C Y G G
 ACA TCC TAC ATT TCA CAT TGT CGGGGT GGT GTC TGC TAT GGAGGT
 360 369 378 387 396

Y F E F W G Q G A L V T V S S
 TAC TTC GAA TTC TGG GGCCAG GGC GCC CTG GTC ACC GTC TCC TCA
 405 414 423 432 441

A S T K G P S V F P L A P S S
 GCT AGC ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC
 450 459 468 477 486

FIG. 9B - 1

K S T S G G T A A L G C L V K
 AAG AGC ACC TCT GGGGGCACA GCGGCC CTG GGCTGC CTG GTC AAG
 495 504 513 522 531

D Y F P E P V T V S W N S G A
 GAC TAC TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGC GCC
 540 549 558 567 576

L T S G V H T F P A V L Q S S
 CTG ACC AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA
 585 594 603 612 621

G L Y S L S S V V T V P S S S
 GGACTC TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC
 630 639 648 657 666

L G T Q T Y I C N V N H K P S
 TTG GGCACC CAG ACC TAC ATC TGC AAC GTG AAT CAC AAG CCC AGC
 675 684 693 702 711

N T K V D K K A E P K S C D K
 AAC ACC AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA
 720 729 738 747 756

T H T C P P C P A P E L L G G
 ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGA
 765 774 783 792 801

P S V F L F P P K P K D T L M
 CCGTCA GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG
 810 819 828 837 846

I S R T P E V T C V V V D V S
 ATC TCC CGGACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC
 855 864 873 882 891

H E D P E V K F N W Y V D G V
 CAC GAA GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG
 900 909 918 927 936

E V H N A K T K P R E E Q Y N
 GAG GTG CAT AAT GCC AAG ACA AAG CCG CGGGAG GAG CAG TAC AAC
 945 954 963 972 981

S T Y R V V S V L T V L H Q D
 AGC ACG TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC
 990 999 1008 1017 1026

FIG. 9B - 2

W L N G K E Y K C K V S N K A
TGG CTG AAT GGCAAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GCC
1035 1044 1053 1062 1071

L P A P I E K T I S K A K G Q
CTC CCA GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GGGCAG
1080 1089 1098 1107 1116

P R E P Q V Y T L P P S R D E
CCC CGA GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGG GAT GAG
1125 1134 1143 1152 1161

L T K N Q V S L T C L V K G F
CTG ACC AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC
1170 1179 1188 1197 1206

Y P S D I A V E W E S N G Q P
TAT CCC AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGGCAG CCG
1215 1224 1233 1242 1251

E N N Y K T T P P V L D S D G
GAGAAC AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC GGC
1260 1269 1278 1287 1296

S F F L Y S K L T V D K S R W
TCC TTC TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG
1305 1314 1323 1332 1341

Q Q G N V F S C S V M H E A L
CAG CAG GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG
1350 1359 1368 1377 1386

H N H Y T Q K S L S L S P G K
CAC AAC CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA
1395 1404 1413 1422 1431

TGA

FIG. 9B - 3

LENGTH OF 16C10 LAMBDA/PRIMATIZED: 711 bp; LISTED FROM: 1 TO: 711;
 TRANSLATED FROM: 1 TO: 709 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:08 AM

FRAME 1 M R V P A Q L L G L L L L
 ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC
 9 18 27 36

W L P G A R C E S V L T Q P P
 TGG CTC CCA GGT GCA CGA TGT GAG TCT GTC CTG ACA CAG CCG CCC
 45 54 63 72 81

S V S G A P G Q K V T I S C T
 TCA GTG TCT GGG GCC CCA GGG CAG AAG GTC ACC ATC TCG TGC ACT
 90 99 108 117 126

G S T S N I G G Y D L H W Y Q
 GGG AGC ACC TCC AAC ATT GGA GGT TAT GAT CTA CAT TGG TAC CAG
 135 144 153 162 171

Q L P G T A P K L L I Y D I N
 CAG CTC CCA GGA ACG GCC CCC AAA CTC CTC ATC TAT GAC ATT AAC
 180 189 198 207 216

K R P S G I S D R F S G S K S
 AAG CGA CCC TCA GGA ATT TCT GAC CGA TTC TCT GGCTCC AAG TCT
 225 234 243 252 261

G T A A S L A I T G L Q T E D
 GGT ACC GCG GCC TCC CTG GCC ATC ACT GGG CTC CAG ACT GAG GAT
 270 279 288 297 306

E A D Y Y C Q S Y D S S L N A
 GAG GCT GAT TAT TAC TGC CAG TCC TAT GAC AGC AGC CTG AAT GCT
 315 324 333 342 351

Q V F G G G T R L T V L G Q P
 CAG GTA TTC GGA GGA GGG ACC CGG CTG ACC GTC CTA GGT CAG CCC
 360 369 378 387 396

K A A P S V T L F P P S S E E
 AAG GCT GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG GAG
 405 414 423 432 441

L Q A N K A T L V C L I S D F
 CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC
 450 459 468 477 486

FIG. 10A - 1

Y	P	G	A	V	T	V	A	W	K	A	D	S	S	P
TAC	CCG	GGA	GCC	GTG	ACA	GTG	GCC	TGG	AAG	GCA	GAT	AGC	AGC	CCC
495				504			513			522			531	
V	K	A	G	V	E	T	T	T	P	S	K	Q	S	N
GTC	AAG	GCG	GGA	GTG	GAG	ACC	ACC	ACA	CCC	TCC	AAA	CAA	AGC	AAC
540				549			558			567			576	
N	K	Y	A	A	S	S	Y	L	S	L	T	P	E	Q
AAC	AAG	TAC	GCG	GCC	AGC	AGC	TAC	CTG	AGC	CTG	ACG	CCT	GAG	CAG
585				594			603			612			621	
W	K	S	H	R	S	Y	S	C	Q	V	T	H	E	G
TGG	AAG	TCC	CAC	AGA	AGC	TAC	AGC	TGC	CAG	GTC	ACG	CAT	GAA	GGG
630				639			648			657			666	
S	T	V	E	K	T	V	A	P	T	E	C	S	.	
AGC	ACC	GTG	GAG	AAG	ACA	GTG	GCC	CCT	ACA	GAA	TGT	TCA	TGA	
675				684			693			702			711	

FIG. 10A - 2

LENGTH OF 16C10 HEAVY/PRIMATIZED: 1431 bp; LISTED FROM: 1 TO: 1431;
TRANSLATED FROM: 1 TO: 1429 (ENTIRE REGION);
GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:08 AM

FRAME 1 M K H L W F F L L L V A A
ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT
9 18 27 36

P R W V L S Q V Q L Q E S G P
CCC AGA TGG GTC CTG TCC CAG GTG CAG CTG CAG GAG TCG GGCCCA
45 54 63 72 81

G L V K P S E T L S L T C A V
GGA CTG GTG AAG CCT TCG GAG ACC CTG TCC CTC ACC TGC GCT GTC
90 99 108 117 126

S G G S I S G G Y G W G W I R
TCT GGT GGCTCC ATC AGC GGT GGT TAT GGCTGG GGCTGG ATC CGC
135 144 153 162 171

Q P P G K G L E W I G S F Y S
CAG CCC CCA GGGAAG GGGCTG GAG TGG ATT GGGAGT TTC TAT AGT
180 189 198 207 216

S S G N T Y Y N P S L K S Q V
AGT AGT GGGAAC ACC TAC TAC AAC CCC TCC CTC AAG AGT CAA GTC
225 234 243 252 261

T I S T D T S K N Q F S L K L
ACC ATT TCA ACA GAC ACG TCC AAG AAC CAG TTC TCC CTG AAG CTG
270 279 288 297 306

N S M T A A D T A V Y Y C V R
AAC TCT ATG ACC GCC GCG GAC ACG GCC GTG TAT TAC TGT GTG AGA
315 324 333 342 351

D R L F S V V G M V Y N N W F
GAT CGT CTT TTT TCA GTT GTT GGAATG GTT TAC AAC AAC TGG TTC
360 369 378 387 396

D V W G P G V L V T V S S A S
GAT GTC TGG GGC CCG GGA GTC CTG GTC ACC GTC TCC TCA GCT AGC
405 414 423 432 441

T K G P S V F P L A P S S K S
ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC
450 459 468 477 486

FIG. 10B - 1

T S G G T A A L G C L V K D Y
ACC TCT GGGGGCACA GCGGCC CTG GGCTGC CTG GTC AAG GAC TAC
495 504 513 522 531

F P E P V T V S W N S G A L T
TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGCGCC CTG ACC
540 549 558 567 576

S G V H T F P A V L Q S S G L
AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA GAC TCC TCA GGA CTC
585 594 603 612 621

Y S L S S V V T V P S S S L G
TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC
630 639 648 657 666

T Q T Y I C N V N H K P S N T
ACC CAG ACC TAC ATC TGC AAC GTG AAT CAC ACA TGC CCA AAC ACC
675 684 693 702 711

K V D K K A E P K S C D K T H
AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA ACT CAC
720 729 738 747 756

T C P P C P A P E L L G G P S
ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGA CCG TCA
765 774 783 792 801

V F L F P P K P K D T L M I S
GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC
810 819 828 837 846

R T P E V T C V V V D V S H E
CGG ACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC CAC GAA
855 864 873 882 891

D P E V K F N W Y V D G V E V
GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG
900 909 918 927 936

H N A K T K P R E E Q Y N S T
CAT AAT GCCAAG ACA AAG CCG CGGGAG GAG CAG TAC AAC AGC ACG
945 954 963 972 981

Y R V V S V L T V L H Q D W L
TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC TGG CTG
990 999 1008 1017 1026

FIG. 10B - 2

N G K E Y K C K V S N K A L P
 AAT GGCAAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GCC CTC CCA
 1035 1044 1053 1062 1071

A P I E K T I S K A K G Q P R
 GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GCC AAA CCC CGA
 1080 1089 1098 1107 1116

E P Q V Y T L P P S R D E L T
 GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGGGAT GAG CTG ACC
 1125 1134 1143 1152 1161

K N Q V S L T C L V K G F Y P
 AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC TAT CCC
 1170 1179 1188 1197 1206

S D I A V E W E S N G Q P E N
 AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGGCAG CCG GAGAAC
 1215 1224 1233 1242 1251

N Y K T T P P V L D S D G S F
 AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC TCC TCC TTC
 1260 1269 1278 1287 1296

F L Y S K L T V D K S R W Q Q
 TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG
 1305 1314 1323 1332 1341

G N V F S C S V M H E A L H N
 GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG CAC AAC
 1350 1359 1368 1377 1386

H Y T Q K S L S L S P G K
 CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA TGA
 1395 1404 1413 1422 1431

FIG. 10B - 3